EXAMINER'S AMENDMENT & REASONS FOR ALLOWANCE

I.   **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37

CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no

later than the payment of the Issue Fee.

Authorization for this examiner's amendment was given in a telephone interview with

Mr. Maurice J. Pirio (Reg. No. 33,273) on 08/02/2010.

The application has been amended as follows:

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

1. (Currently Amended)   A method in a computing device for specifying alternate

layouts of an element of a display description specified using a display description language, the method comprising:

providing a display description file that specifies the display description using the display description language that includes:

a definition of the element, the definition of the element occurring only once in the display description file;

a first condition and a first layout for the definition of the element; and

a second condition and a second layout for the definition of the element; and

when processing the definition of the element of the provided display description file,

parsing by the computing device the display description file to identify the definition of the element, the first condition and the first layout, and the second condition and the second layout;

retrieving a parameter for controlling the layout of the element;

determining whether the retrieved parameter indicates that the first condition is satisfied or the second condition is satisfied;

displaying the element in accordance with the first layout when it is determined that the first condition is satisfied; and

displaying the element in accordance with the second layout when it is determined that the second condition is satisfied;

wherein layouts and conditions included in the same display description file only

specify how to display elements defined in the display description file,

  wherein the element has child elements and the layouts specify the layout of the

child elements,

  wherein a layout specifies a table in which the child elements are to be displayed,

and

  wherein the layout that specifies the table further specifies that a cell within the

table for a child element and another cell for another child element is to be automatically

selected.

2. (Original) The method of claim 1 wherein the element has a class and the conditions

and layouts are provided in a style for that class.

3. (Original) The method of claim 2 wherein the conditions and layouts are attributes of

an element for that class.

4. (Original) The method of claim 1 wherein the conditions and layouts are provided as

attributes within the definition of the element.

5. (Cancelled)

6. (Currently Amended) The method of claim [[5]] 1 wherein a layout is from a group

consisting of vertical layout, horizontal layout, vertical flow layout, and horizontal flow

layout.

7.-9. (Cancelled)

10.   (Currently Amended) A method performed by a computing device with a storage

device and a display for specifying alternate layouts of an element of a display description

specified using a display description language, the method comprising:

        providing in the storage device a display description file that specifies the display

description using the display description language that includes:

                a definition of the element, wherein the element has child elements, the

        definition of the element occurring only once in the display description file;

                a first condition and a first layout for the definition of the element; and

                a second condition and a second layout for the definition of the element,

        wherein the layouts specify the layout of the child elements and wherein a layout

specifies a table in which the child elements are to be displayed and further specifies a

cell within the table for a child element and another cell for another child element is to be

automatically selected; and

        when processing by the computing device the definition of the element of the

provided display description file,

parsing by the computing device the display description file to identify the

definition of the element, the first condition and the first layout, and the second condition

and the second layout;

retrieving a parameter for controlling the layout of the element;

determining whether the retrieved parameter indicates that the first

condition is satisfied or the second condition is satisfied;

displaying on the display the element in accordance with the first layout when the

first condition is satisfied; and

displaying on the display the element in accordance with the second

layout when the second condition is satisfied;

wherein layouts and conditions included in the display description file only

specify how to display elements defined in the display description file.

11. (Original) The method of claim 1 wherein the display description language is XML

based.

12. (Original) The method of claim 1 wherein the display description language is HTML

based.

13. (Currently Amended) A computer system for specifying alternate layouts of an

element of a display description specified using a display description language, the

computer system including a processor and a storage device, the processor is configured

to ~~comprising~~:

~~a storage device containing:~~

~~a display description file having a definition of the element and condition and~~

~~layout pairs for the element specified using a display description language, wherein~~

~~layouts and conditions included in the display description file only specify how to display~~

~~elements defined in the display description file, the definition of the element occurring~~

~~only once in the display description file; and~~

~~a display component with computer-executable instructions that generates a~~

~~display based on the display description file by displaying the element in accordance with~~

~~a layout of a pair when the condition of the pair is satisfied;~~

~~a processor for executing the computer-executable instructions of the display~~

~~component~~

provide in the storage device a display description file that specifies the display

description using the display description language that includes:

a definition of the element, wherein the element has child elements, the

definition of the element occurring only once in the display description file;

a first condition and a first layout for the definition of the element; and

a second condition and a second layout for the definition of the element,

wherein the layouts specify the layout of the child elements and wherein a layout

specifies a table in which the child elements are to be displayed and further specifies a

cell within the table for a child element and another cell for another child element is to be

automatically selected; and

the processor when executing the definition of the element of the provided display

description file,

parsing by the computing device the display description file to identify the

definition of the element, the first condition and the first layout, and the second condition

and the second layout;

retrieving a parameter for controlling the layout of the element;

determining whether the retrieved parameter indicates that the first

condition is satisfied or the second condition is satisfied;

displaying on the display the element in accordance with the first layout when the

first condition is satisfied; and

displaying on the display the element in accordance with the second

layout when the second condition is satisfied;

wherein layouts and conditions included in the display description file only

specify how to display elements defined in the display description file.

14. (Original) The computer system of claim 13 wherein the element has a class and the

condition and layout pairs are specified in a style for that class.

15. (Original) The computer system of claim 14 wherein the condition and layout pairs are attributes of an element for that class.

16. (Original) The computer system of claim 13 wherein the condition and layout pairs are attributes within the definition of the element.

17. (Cancelled)

18. (Currently Amended) The computer system of claim [[17]] 13 wherein a layout is from a group consisting of vertical layout, horizontal layout, vertical flow layout, and horizontal flow layout.

19.-39. (Cancelled)

40. (Currently Amended) A computer-readable storage medium ~~containing a data structure of a display description file~~ storing computer instructions, the computer instructions when executed by a computer performs a method for specifying alternate layouts of an element using a display description language, the ~~data structure~~ method comprising:

~~a definition of an element;~~

~~a first condition and a first layout associated with the definition of the element;~~

~~and~~

~~a second condition and a second layout associated with the definition of the~~

~~element,~~

~~wherein the element is laid out in accordance with the first layout when the first~~

~~condition is satisfied and with the second layout when the second condition is satisfied;~~

~~and~~

~~wherein layouts and conditions included in the display description file only~~

~~specify how to display elements defined in the display description file and wherein~~

~~the definition of the element occurring only once in the display description file~~

providing a display description file that specifies the display description using the

display description language that includes:

a definition of the element, the definition of the element occurring only

once in the display description file;

a first condition and a first layout for the definition of the element; and

a second condition and a second layout for the definition of the element;

and

when processing the definition of the element of the provided display description

file,

parsing by the computing device the display description file to identify the

definition of the element, the first condition and the first layout, and the second

condition and the second layout;

retrieving a parameter for controlling the layout of the element;

determining whether the retrieved parameter indicates that the first

condition is satisfied or the second condition is satisfied;

displaying the element in accordance with the first layout when it is

determined that the first condition is satisfied; and

displaying the element in accordance with the second layout when it is

determined that the second condition is satisfied;

wherein layouts and conditions included in the same display description file only

specify how to display elements defined in the display description file,

wherein the element has child elements and the layouts specify the layout of the

child elements,

wherein a layout specifies a table in which the child elements are to be displayed,

and

wherein the layout that specifies the table further specifies that a cell within the

table for a child element and another cell for another child element is to be automatically

selected.

41. (Previously Presented) The computer-readable storage medium of claim 40 wherein

the conditions and layouts are defined in a style associated with the element.

42. (Previously Presented) The computer-readable storage medium of claim 41 wherein

the style is associated with the element based on a class.

43. (Previously Presented) The computer-readable storage medium of claim 40 wherein the conditions and layouts are defined as attributes of the element.

44.-45. (Canceled)

46. (Previously Presented) The computer-readable storage medium of claim 40 wherein the data structure is specified using XML.

47. (Previously Presented) The computer-readable storage medium of claim 40 wherein the data structure is specified using HTML.

48-55. (Canceled)

II.   **REASONS FOR ALLOWANCE:**

Claims 1-4, 6, 10-16, 18, 40-43, 46, and 47 are allowed.

The following is an examiner's statement of reasons for allowance:

Interpreting the claims in light of the specification, Examiner finds the claimed

invention is patentably distinct from the prior art of record.

The prior art does not expressly teach or render obvious the invention as recited in

independent Claims 1, 10, 13, and 40.

- The features as recited in independent Claims 1 and 40 "*parsing by the*
  computing device the display description file to identify the definition of the
  element, the first condition and the first layout, and the second condition and
  the second layout; retrieving a parameter for controlling the layout of the
  element; determining whether the retrieved parameter indicates that the first
  condition is satisfied or the second condition is satisfied; displaying the
  element in accordance with the first layout when it is determined that the first
  condition is satisfied; and displaying the element in accordance with the
  second layout when it is determined that the second condition is satisfied;
  wherein layouts and conditions included in the same display description file
  only specify how to display elements defined in the display description file,
  wherein the element has child elements and the layouts specify the layout of the
  child elements, wherein a layout specifies a table in which the child elements
  are to be displayed, and wherein the layout that specifies the table further
  specifies that a cell within the table for a child element and another cell for

another child element is to be automatically selected", when taken in the context of the Claims as a whole, were not uncovered in the prior art teachings.

- The features as recited in independent Claims 10 and 13 "*parsing by the computing device the display description file to identify the definition of the element, the first condition and the first layout, and the second condition and the second layout; retrieving a parameter for controlling the layout of the element; determining whether the retrieved parameter indicates that the first condition is satisfied or the second condition is satisfied; displaying on the display the element in accordance with the first layout when the first condition is satisfied; and displaying on the display the element in accordance with the second layout when the second condition is satisfied; wherein layouts and conditions included in the display description file only specify how to display elements defined in the display description file, and wherein the layouts specify the layout of the child elements and wherein a layout specifies a table in which the child elements are to be displayed and further specifies a cell within the table for a child element and another cell for another child element is to be automatically selected*", when taken in the context of the Claims as a whole, were not uncovered in the prior art teachings.

The Examiner asserts that the claims overcome the prior art of record when the limitations are read in combination with the respective claimed limitations in their entirety.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact information

III.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maikhanh Nguyen whose telephone number is (571) 272- 4093. The examiner can normally be reached on Monday - Friday from 9:00am – 30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached at (571) 272-4137.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent
Application Information Retrieval (PAIR) system. Status information for published
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800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MaiKhanh Nguyen/
Examiner, Art Unit 2176

/Laurie Ries/
Primary Examiner
Technology Center 2100
6 August 2010